

**What is claimed is:**

**[Claim 1]** 1. A method for patterning a light guide plate comprising:  
(a) using laser beams to form a roughened surface on a mold; and  
(b) manufacturing the light guide plate with the mold.

**[Claim 2]** 2. The method of claim 1 wherein step (a) further comprises using Nd-YAG laser beams to form the roughened surface on the mold.

**[Claim 3]** 3. The method of claim 1 wherein step (a) further comprises using pulse laser beams to form the roughened surface on the mold.

**[Claim 4]** 4. The method of claim 1 further comprises adjusting a laser machining parameter for controlling roughness of the roughened surface on the mold.

**[Claim 5]** 5. The method of claim 1 wherein the roughened surface comprises micro-mirror structures.

**[Claim 6]** 6. The method of claim 1 wherein step (b) further comprises manufacturing the light guide plate with the mold by injection molding.

**[Claim 7]** 7. The method of claim 1 wherein step (b) further comprises manufacturing the light guide plate with the mold in a thermoforming method.

**[Claim 8]** 8. The method of claim 1 wherein step (b) further comprises forming a rollover mold by rolling over the mold in an electroforming method and manufacturing the light guide plate with the rollover mold.

**[Claim 9]** 9. An edge-light backlight module comprising:  
a light source; and  
a light guide plate installed on a lateral side of the light source, the light guide plate comprising:  
a light-guiding surface; and  
a bottom surface positioned below the light-guiding surface, the bottom surface being a roughened surface formed of micro-mirror structures.

**[Claim 10]** 10. The edge-light backlight module of claim 9 wherein the light-guiding surface is formed of linear prism structures.

**[Claim 11]** 11. An edge-light backlight module comprising:  
a light source; and  
a light guide plate installed on a lateral side of the light source, the light guide plate comprising:  
a light-guiding surface being a roughened surface formed of micro-mirror structures; and  
a bottom surface positioned below the light-guiding surface.